

DESIGN GUIDELINES

USAREUR-Restoration Program of Troop Billets - Standard 1+1

		SOURCE
B 02	INTRODUCTION	B 01
MEASURES AND GOALS OF THE REPAIR PROGRAM		B 02
<p>The goal of the restoration program is to economically upgrade existing building to bring it to present living comfort under consideration of the existing building condition. It must be achieved to create as such private atmosphere, security and comfort for the soldiers as possible and at the same time maintain administration, military order and control. The restoration shall upgrade the whole facility to equal new construction.</p>		B 03
<p>The rooms shall be considered as living and bedrooms for soldiers. Additionally, only those rooms shall be accommodate in the barracks, that are necessary for support of living comfort and daily life.</p>		B 04
<p>The repair shall be executed in and at existing buildings. The basis of design is to change the structure of the building as little as possible, bearing and constructive elements shall be integrated in the design.</p>		B 05
<p>Basements shall be repaired to provide required functions in the barracks e.g. a laundry, mud room, arms rooms. All remaining rooms will be improved as office and/or storage rooms. Separate latrines shall be provided. The technical rooms shall be combined with a separate exterior access.</p>		B 06
<p>The new layout shall be adapted to the existing facades, new window openings, where required, are allowable.</p>		B 07
<p>Extensive structural alterations with significant effect on the building substance shall be avoided. Economical solutions shall be selected to achieve proposed repairs at moderate prices.</p>		B 08
<p>It is, therefore, recommended to perform an extensive building survey prior to commencement of design to determine the construction characteristics as well as contaminants and to develop and/or use the findings as basis of the upgrade concept.</p>		B 09
<p>Construction and load capacity of ceilings shall be determined, layer thickness of floor structure, wall thickness, existing materials shall be established.</p>		B 10
<p>Fire protection shall be determined and/or proven by an expert and/or comment from</p>		B 11
<p>IBMB Amtliche Materialprüfungsanstalt für das Bauwesen Beethovenstrasse 52, 38106 Braunschweig Tel.: 0531/391-5431 Fax: 0531/391-4573</p>		B 12
<p>as far as the construction parts are not classified in DIN 4102 Part 4.</p>		B 13
<p>Approved standard designs will be provided for each project by HQ USAREUR/7a, ODESCENGR, AEAN-EH-CI. The standard designs shall be taken as basis for design, changes shall be approved by HQ USAREUR/7a ODCSENGER, AEAN-EH-CI prior to incorporation in design.</p>		B 14
		B 15